

The Equipment Vendor Program Action Set

Action 1. Provide solutions for the implementation of specific MANRS Actions by other participants (Mandatory)

Implementation of several actions in existing MANRS Programs (Network Operators, IXPs, CDN and Cloud Providers) depends on the availability of relevant features in the network equipment. In this document we call it a scenario.

Specifically, the following Actions require such support:

Scenario	Program	Action
Scenario 1 Filtering	Network Operators	Action 1. Prevent propagation of incorrect routing information
CDN and Cloud Providers	Action 1. Prevent propagation of incorrect routing information	
Scenario 2 Anti-spoofing	Network Operators	Action 2: Prevent traffic with spoofed source IP addresses
CDN and Cloud Providers	Action 2. Prevent traffic with illegitimate source IP addresses	
Scenario 3 Filtering (IXP)	IXPs	Action 1. Prevent propagation of incorrect routing information. (Route Server)
Scenario 4 Protect L2 (IXP)	IXPs	Action 3. Protect the peering platform (layer 2)

Conformance will be tested by checking the description of a solution for a specific scenario, expressed as a set of commands or a configuration snippet. An equipment vendor may support multiple operating systems and multiple product lines and not all

features may be implemented across the board. In such cases it should be stated which OS or a product line support a specific scenario.

It is important to note that the solutions provided as part of the application process in no way represent a technical specification. The actual set of features depends on the specific platform that is being used. Even for a single OS not all the products may support the full feature set.

Action 2. Promote MANRS through training and technical content (Mandatory)

Conformance will be tested by providing links to technical content, the training syllabus, a pointer to the description of a certification program. At least one commitment should be checked.

- Reference MANRS and its implementation in relevant training courses. This could range from a short introduction to MANRS to a full course on how to implement MANRS Actions.
- Provide ongoing support for the MANRS virtual lab. In particular, provide VM images of the vendor OS and licenses for use in the lab.
- Reference MANRS in published technical resources. This may be technical articles, blogposts and other types of publications.
- Include an exercise of configuring MANRS in the practical section of the training

Participation in ongoing activities

While not formalised as Actions, equipment vendors joining MANRS intend to active participation in the following types of activities:

- **Advisory:** To advise members on how best to use features of routing equipment to achieve the desired results. To review and improve router configuration examples in MANRS documents.
- **Development:** To respond to problem statements of members and to help develop solutions to those problems.
- **Contribution:** To contribute to the development of the MANRS resources, such as the Implementation Guide and the MANRS Virtual Lab.
- **Promotion:** Promote MANRS by various means, such as by indicating vendor participation in MANRS on the corporate website, at customer events, trade shows and other types of relevant activities. Examples are displaying the

MANRS logo on the website on vendor's promotional SWAG, or offering a presentation slot or space for a poster.